1.040D

- 39 -

SEQUENCE LISTING (1) GENERAL INFORMATION: 5 (i) APPLICANT: Glimcher, Laurie H. Hodge, Martin R. (ii) TITLE OF INVENTION: NF-AT-INTERACTING PROTEIN NIP45 AND METHODS 10 OF USE THEREFOR (iii) NUMBER OF SEQUENCES: 2 (iv) CORRESPONDENCE ADDRESS: 15 (A) ADDRESSEE: LAHIVE & COCKFIELD (B) STREET: 60 State Street, suite 510 (C) CITY: Boston (D) STATE: Massachusetts (E) COUNTRY: USA 20 (F) ZIP: 02109-1875 (v) COMPUTER READABLE FORM: (A) MEDIUM TYPE: Floppy disk (B) COMPUTER: IBM PC compatible 25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS (D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (vi) CURRENT APPLICATION DATA: (A) APPLICATION NUMBER: 30 (B) FILING DATE: (C) CLASSIFICATION: (vii) PRIOR APPLICATION DATA: (A) APPLICATION NUMBER: 35 (B) FILING DATE: (viii) ATTORNEY/AGENT INFORMATION: (A) NAME: Giulio A. DeConti, Jr. (B) REGISTRATION NUMBER: 31,503 40 (C) REFERENCE/DOCKET NUMBER: HUI-026 (ix) TELECOMMUNICATION INFORMATION: (A) TELEPHONE: (617)227-7400 (B) TELEFAX: (617)227-5941 45 (2) INFORMATION FOR SEQ ID NO:1: (i) SEQUENCE CHARACTERISTICS: 50 (A) LENGTH: 1946 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear

55 (ii) MOLECULE TYPE: cDNA

(ix) FEATURE:

(A) NAME/KEY: CDS

(B) LOCATION: 13..1248

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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10											GGC Gly						96
15											ATT Ile						144
20											GTC Val 55					:	192
											GCG Ala					:	240
25											GCC Ala					:	288
30											CGG Arg					:	336
35											GGG Gly					:	384
40											TTG Leu 135					4	432
											TCT Ser					•	480
45											TGG Trp					!	528
50											GAA Glu					!	576
55											AGG Arg					(624
											GTG Val 215					6	672









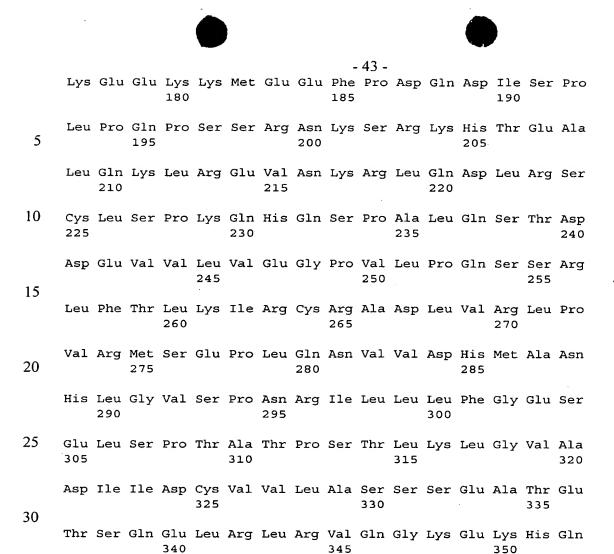
5				TCC Ser														720	
				GAT Asp 240		_	_	_			_	_						768	
10				CGA Arg														816 /	
15				CCT Pro														864	
20	_			AAT Asn														912	
25				AGT Ser														960	
23				GCT Ala 320													1	1008	
30				GAG Glu]	L056	
35				CAG Gln													. :	L104	
40				ATG Met													=	1152	
45				TTC Phe			_										:	1200	
43				CTG Leu 400													:	1248	
50	TGA	AGCTO	CTC A	ACCCI	rgtto	CG GA	ACGC	AAAG	CA	AGAC	ATGG	AGAG	CAAT	AGC :	rccci	AATTTT	:	1308	
	ATT	ATTGT	rga :	rttt	rcgco	CC CI	ATAAC	GGC:	AA 1	CAGA	AACT	GAA:	TAG!	AAC :	rtgt:	TTACTT	:	1368	
55	ATT	TATT	rct (GTG	CTGG	GG AT	rtga <i>i</i>	ACCC	C AG	ACTA	rgca	CATO	CTA	AGG 1	ATGT	ATGAAG	;	1428	
رر	TGGAGGCAAA ACCAAGGCAT TACCTTTAGC CAGCCTCTAG TAGACTGTAG TGTCAAGCAA												;	1488					
	GTGGCTACTT GGTAGTTGTG TGGCTCTGTG TATGTTTGTG											CTG	CTGTATTTGG CAGCCCCTGG						

	GGCACA	TAGA	AGGG	ACCT"	TG G	CTTC	CCTA		42 - TTTC.		TCG	CTGG	TGC	CCTT'	rccttc	
	ATCAGA	TGAC	TTCT	GTGA	AG C	TGCC	TATG'	T TG.	AGTG'	TGTT	GAA	CTAA	ATG	AGCT	CTGCTT	
5	TGGGTG	TCCA	GGCC	TGGG	GT T	TGTG	CCGC	A GT	rgga(GCCA	GCA	GTGA	CTT	CACT	CTGACT	•
	TGGGAC	TGAG	AATG	CATT	rc c	TGGT	GGAG	A CA	CTCG	GGTG	CAG	AAAT	ATA .	ACAG	AAGGTG	;
10	ACATAC	ATGC	TGAA	GCTG	AG G	ACTA	GGTC	G AA	AGTT	AACG	ACG'	FTGC	ATT '	TTCAG	SCCTTG	i
10	GGTATCCTCT CTGCCTGCCA GGACTCTAGC CAGTGTCTGG TACACACTTC TTGGCATGGA															
	CACCTAGGTC GACGCGGGCG CGATTCGGCC GACTCGAG															
15	(2) IN	FORMA	TION	FOR	SEQ	ID 1	NO : 2 :	:					•			
20	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 412 amino acids (B) TYPE: amino acid (D) TOPOLOGY: linear															
		(ii)	MOLE	CULE	TYPI	E: p	rotei	in	•							
25		(xi)	SEQUI	ENCE	DESC	CRIP	CION:	: SEÇ	Q ID	NO:2	2:					
	Met Ala	a Glu	Pro	Leu 5	vza	Tly	Arg	Gly	Pro 10	Arg	Ser	Arg	Gly	Gly 15	Arg	
30	Gly Ala	a Arg	Arg 20	Ala	Arg	Gly	Ala	Arg 25	Gly	Arg	Cys	Pro	Arg 30	Ala	Arg	
35	Gln Ser	r Pro 35		Arg	Leu	Ile	Pro 40	Asp	Thr	Val	Leu	Val 45	Asp	Leu	Val	
,,	Ser Asp		Asp	Glu	Glu	Val 55	Leu	Glu	Val	Ala	Asp 60	Pro	Val	Glu	Val	
40	Pro Val	l Ala	Arg	Leu	Pro 70	Ala	Pro	Ala	Lys	Pro 75	Glu	Gln	Asp	Ser	Asp 80	
	Ser Asp	Ser	Glu	Gly 85	Ala	Ala	Glu	Gly	Pro 90	Ala	Gly	Ala	Pro	Arg 95	Thr	
1 5	Leu Val	l Arg	Arg 100	Arg	Arg	Arg	Arg	Leu 105	Leu	Asp	Pro	Gly	Glu 110	Ala	Pro	
50	Val Val	l Pro 115		Tyr	Ser	Gly	Lys 120	Val	Gln	Ser	Ser	Leu 125	Asn	Leu	Ile	
,0	Pro Asp		Ser	Ser	Leu	Leu 135	Lys	Leu	Cys	Pro	Ser 140	Glu	Pro	Glu	Asp	

Glu Ala Asp Leu Thr Asn Ser Gly Ser Ser Pro Ser Glu Asp Asp Ala

Leu Pro Ser Gly Ser Pro Trp Arg Lys Lys Leu Arg Lys Lys Cys Glu 165 170 175





35 355 360 365

Ser His Tyr Glu Glu Ala Met Gly Leu Ser Gly His Lys Leu Ser Phe 370

40 Phe Phe Asp Gly Thr Lys Leu Ser Gly Lys Glu Leu Pro Ala Asp Leu 385

Gly Leu Glu Ser Gly Asp Leu Ile Glu Val Trp Gly

Met Leu Glu Ile Ser Leu Ser Pro Asp Ser Pro Leu Lys Val Leu Met

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